

*Neotoma m. pinetorum* (wood rat), White Mts., Apache Co., Oct. 26, 1934.

232. *Myodopsylla collinsi* (Kohls) 1937 was described from the Santa Rita Mountains, south of Tucson, off cave bat. It is here reported off:

*Myotis v. velifer* (cave bat), Tucson Mts., April 2, 20, 1938.

---

## SEXUAL DIMORPHISM AND SYNONYMY IN ANTHONOMUS (ANTHONOMORPHUS)

(Coleoptera: Curculionidae)

EDWARD E. GILBERT

*University of California, Berkeley*

The subgenus *Anthonomorphus* was proposed by Dietz<sup>1</sup> and *Anthonomus fulvus* LeConte was designated as the type. Two additional species were described in this same work, *A. peninsularis*, from a male specimen, and *A. pervilis*, from a female specimen, both from Lower California (Ulke Collection). A distinguishing feature of these two "species" was said to be the "strikingly different coloration," *A. peninsularis* being pitch black, *A. pervilis* ferruginous. In addition, the head in the latter "species" was described as not constricted behind the eyes and a transverse indentation was stated to be present above the eyes. These distinctions are misleading, and the use of these characters has led to a confusion in identification. The males of this group are black, and the eyes are large and bulbous with their posterior margin meeting the head at a slight constriction. These features give the eyes a more prominent appearance and accentuate the constriction of the head. The females are ferruginous and the eyes are smaller and only slightly convex, not attaining the constriction of the head. This character provides the impression that there is no constriction immediately behind the eyes, but merely a transverse indentation some distance above the eyes. However, an occasional male intergrade is found. Since these characters represent sexual dimorphism and since *A. peninsularis* has line precedence, it is proposed that *A. pervilis* be regarded as a synonym of *A. peninsularis*.

In California, *A. peninsularis* has been found east of the Sierra Nevada Mountains in Inyo County, and at Piñon Flat, in the Santa Rosa Mountains, Riverside County. The only host recorded has been furnished by Dr. E. C. Linsley, who found this species on *Sphaeralcea ambigua* at Piñon Flat.

---

<sup>1</sup> Dietz, W. G. 1891. Revision of the genera and species of Anthonomini inhabiting North America. Trans. Am. Ent. Soc., vol. 18, pp. 177-276.